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Oxford OX4 4GA (GB). **WHEELER, Jeremy, Stuart** [GB/GB]; The William Symons Medical Centre, 25 All Saints Avenue, Maidenhead, Berkshire SL6 6EL (GB).

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(74) Agents: **NICHOLLS, Michael, John** et al.; J.A. Kemp & Co., 14 South Square, Gray's Inn, London WC1R 5JJ (GB).

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(71) Applicant (*for all designated States except US*): **E-SAN LIMITED** [GB/GB]; Magdalen Centre, Oxford Science Park, Oxford OX4 4GA (GB).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **TARASSENKO, Lionel** [GB/GB]; Department of Engineering Science, University of Oxford, Parks Road, Oxford OX1 3PJ (GB). **PEGGRAM, Clive, Richard** [GB/GB]; e-san Limited, Magdalen Centre, Oxford Science Park, Oxford OX4 4GA (GB). **HAYTON, Paul, Michael** [GB/GB]; e-san Limited, Magdalen Centre, Oxford Science Park, Oxford OX4 4GA (GB). **GIBSON, Oliver, John** [GB/GB]; e-san Limited, Magdalen Centre, Oxford Science Park, Oxford OX4 4GA (GB). **GEORGE, Alastair, William** [GB/GB]; e-san Limited, Magdalen Centre, Oxford Science Park,

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(54) Title: **TELEMEDICINE SYSTEM**

(57) **Abstract:** A telemedicine system for monitoring chronic conditions such as asthma or diabetes includes an electronic measurement device such as an electronic peak expiratory flow meter or an electronic blood glucose meter, connected to a GPRS cellular telephone. The cellular telephone automatically receives, formats and transmits the data on acquisition by the medical device to a remote server. The server may acknowledge the data and make the data available to a clinician. The server may also analyse the data and provide automatic alerts to the patient and/or clinician in the event of the data causing concern. The formatting and transmission of the data from the telephone to the server occurs in real time as the measurements are taken and is invisible to the patient.

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